

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query                                                                                 | DBs                                                | Default Operator | Plurals | Time Stamp          |
|-------|------|----------------------------------------------------------------------------------------------|----------------------------------------------------|------------------|---------|---------------------|
| L1    | 0    | (raman and spectrometer and ( infrared) and (amniotic adj sac) and (in adj situ)).clm.       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2011/12/08<br>17:30 |
| L2    | 0    | (raman and spectrometer and ( infrared) and (amniotic adj sac) and (in adj situ))            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2011/12/08<br>17:31 |
| L3    | 2    | "20060247536"                                                                                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2011/12/08<br>17:36 |
| L4    | 3    | koski-kristine-g.in.                                                                         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2011/12/08<br>17:36 |
| L5    | 73   | burns-david-h.in.                                                                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2011/12/08<br>17:36 |
| L6    | 0    | 4 and (raman and spectrometer and ( infrared) and (amniotic adj sac) and (in adj situ)).clm. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2011/12/08<br>17:36 |
| L7    | 0    | 4 and (raman and spectrometer and ( infrared) and (amniotic adj sac) and (in adj situ))      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2011/12/08<br>17:36 |
| L8    | 0    | 5 and (raman and spectrometer and ( infrared) and (amniotic adj sac) and (in adj situ))      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2011/12/08<br>17:36 |
| L9    | 4    | 5 and raman                                                                                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2011/12/08<br>17:37 |
| L10   | 4    | 5 and raman and infrared                                                                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2011/12/08<br>17:37 |

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| L11 | 3    | 5 and raman and infrared and (amniotic adj fluid)                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/12/08<br>17:37 |
| L12 | 0    | 5 and raman and infrared and (amniotic adj fluid) and (in adj situ)               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/12/08<br>17:37 |
| L13 | 1    | 5 and raman and infrared and (amniotic adj fluid) and (situ)                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/12/08<br>17:38 |
| L14 | 1    | 5 and (raman and spectrometer and (infrared) and (amniotic adj sac) and (situ))   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/12/08<br>17:38 |
| S1  | 9    | (amniotic adj fluid) with spectrometer                                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:46 |
| S2  | 2    | S1 and (biological adj marker\$1)                                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:47 |
| S3  | 7    | S1 and ( marker\$1)                                                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:47 |
| S4  | 2    | S1 and ( marker\$1) and (amniotic adj sac)                                        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:48 |
| S5  | 2    | S1 and ( marker\$1) and raman                                                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:48 |
| S6  | 1017 | (amniotic adj fluid) and spectrometer                                             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:48 |
| S7  | 753  | (amniotic adj fluid) and spectrometer and marker \$1                              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:48 |
| S8  | 36   | (amniotic adj fluid) and spectrometer and marker \$1 and (raman) and (ultraso\$3) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:49 |

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| S9  | 2   | (amniotic adj fluid) and spectrometer and marker \$1 and (raman) and (ultraso\$3) and (amniotic adj sac)                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:49 |
| S10 | 4   | (amniotic adj fluid) and spectrometer and marker \$1 and (raman) and (ultraso\$3) and ( sac)                                             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:49 |
| S11 | 1   | (amniotic adj fluid) and spectrometer and marker \$1 and (raman) and (ultraso\$3) and ( sac) and (magnetic adj resonance)                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:50 |
| S12 | 4   | (amniotic adj fluid) and spectrometer and marker \$1 and (raman) and (ultraso\$3) and (magnetic adj resonance)                           | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:51 |
| S13 | 1   | (amniotic adj fluid) and spectrometer and marker \$1 and (raman) and (ultraso\$3) and (magnetic adj resonance) and (fluid with cervi\$3) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:51 |
| S14 | 1   | (amniotic adj fluid) and spectrometer and marker \$1 and (raman) and (ultraso\$3) and (fluid with cervi\$3)                              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:52 |
| S15 | 62  | (amniotic adj fluid) and spectrometer and marker \$1 and (raman)                                                                         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:52 |
| S16 | 11  | (amniotic adj fluid) and spectrometer and marker \$1 and (raman) and (fet \$2)                                                           | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:53 |
| S17 | 2   | (amniotic adj fluid) and spectrometer and marker \$1 and (raman) and (fet \$2) and cervi\$3                                              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:53 |
| S18 | 9   | (amniotic adj fluid) and spectrometer and marker \$1 and (raman) and pregnan\$2                                                          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:56 |
| S19 | 319 | (amniotic adj fluid) and spectrometer and marker \$1 and pregnan\$2 and fet \$2                                                          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:57 |

|     |       |                                                                                                                                                     |                                                    |    |    |                     |
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| S20 | 21    | (amniotic adj fluid) and spectrometer and marker \$1 and pregnan\$2 and fet \$2 and (cervi\$3 with fluid)                                           | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:57 |
| S21 | 9     | (amniotic adj fluid) and spectrometer and marker \$1 and pregnan\$2 and fet \$2 and (cervi\$3 with fluid) and ((non adj invasive) or (in adj situ)) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>09:59 |
| S22 | 3     | "20040024302"                                                                                                                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:00 |
| S23 | 2     | "5235985".pn.                                                                                                                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:00 |
| S24 | 0     | S22 and (amniotic adj flud)                                                                                                                         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:01 |
| S25 | 0     | S23 and (amniotic adj flud)                                                                                                                         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:01 |
| S26 | 35    | (amniotic adj fluid) and spectrometer and marker \$1 and (cervi\$3 with fluid)                                                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:03 |
| S27 | 77778 | (amniotic adj fluid) and spectrometer and marker \$1 and (cervi\$3 with fluid) ((non adj invasive) or (in adj situ))                                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:03 |
| S28 | 12    | (amniotic adj fluid) and spectrometer and marker \$1 and (cervi\$3 with fluid) and ((non adj invasive) or (in adj situ))                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:04 |
| S29 | 11    | (measure with (amniotic adj fluid)) and spectrometer and marker \$1                                                                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:07 |
| S30 | 2     | (measure with (amniotic adj fluid)) with marker\$1                                                                                                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:10 |
| S31 | 100   | (amniotic adj fluid) with marker\$1                                                                                                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:12 |

|     |      |                                                                                                       |                                                    |    |    |                     |
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| S32 | 5    | S31 and raman                                                                                         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:12 |
| S33 | 11   | S31 and spectrometer                                                                                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:12 |
| S34 | 11   | (measure with (amniotic<br>adj fluid)) and<br>spectrometer and marker<br>\$1 and (amniotic adj fluid) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:16 |
| S35 | 134  | (amniotic adj fluid) with<br>probe                                                                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:38 |
| S36 | 0    | (amniotic adj fluid) with<br>(optical adj probe)                                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:38 |
| S37 | 7    | (amniotic adj fluid) with<br>(optical with probe)                                                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:38 |
| S38 | 7    | (amniotic adj fluid) with<br>(optical with probe) and<br>(amniotic adj fluid)                         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:40 |
| S39 | 0    | S38 and spectrometer                                                                                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:40 |
| S40 | 0    | (amniotic adj fluid) with<br>(optical with probe) and<br>(amniotic adj fluid) and<br>marker\$1        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:42 |
| S41 | 9    | (amniotic adj fluid) with<br>spectrometer                                                             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:47 |
| S42 | 7    | S41 and marker\$1                                                                                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:48 |
| S43 | 6    | S41 and marker\$1 and<br>ultraso\$32                                                                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>10:49 |
| S44 | 1663 | (raman adj spectrometer)                                                                              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>13:28 |

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| S45 | 2   | (raman adj spectrometer)<br>with (amniotic adj fluid)                                                                                                                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>13:28 |
| S46 | 8   | (raman adj spectrometer)<br>and (amniotic adj fluid)                                                                                                                             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>13:28 |
| S47 | 1   | (raman adj spectrometer)<br>and (amniotic adj fluid)<br>and (magnetic adj<br>resonance adj<br>spectrometer)                                                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>13:29 |
| S48 | 173 | (raman ) and (amniotic<br>adj fluid)                                                                                                                                             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>13:39 |
| S49 | 78  | (raman adj (spectrometer<br>or spectroscopy)) and<br>(amniotic adj fluid)                                                                                                        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>13:39 |
| S50 | 2   | (raman adj (spectrometer<br>or spectroscopy)) with<br>(amniotic adj fluid)                                                                                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>13:39 |
| S51 | 59  | (raman adj (spectrometer<br>or spectroscopy)) and<br>(amniotic adj fluid) and<br>marker\$1                                                                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>13:39 |
| S52 | 50  | (raman adj (spectrometer<br>or spectroscopy)) and<br>(amniotic adj fluid) and<br>marker\$1 and infrared                                                                          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>13:40 |
| S53 | 10  | (raman adj (spectrometer<br>or spectroscopy)) and<br>(amniotic adj fluid) and<br>marker\$1 and infrared and<br>(magnetic adj resonance<br>adj (spectrometer or<br>spectroscopy)) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>13:40 |
| S54 | 31  | (amniotic adj fluid) and<br>marker\$1 and infrared and<br>(magnetic adj resonance<br>adj (spectrometer or<br>spectroscopy))                                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>13:52 |
| S55 | 182 | (amniotic adj fluid) and<br>marker\$1 and (magnetic<br>adj resonance adj<br>(spectrometer or<br>spectroscopy))                                                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>13:57 |

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| S56 | 2   | (measure with (amniotic adj fluid)) and marker\$1 and (magnetic adj resonance adj (spectrometer or spectroscopy))                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>13:57 |
| S57 | 7   | ((calculat\$3 or analy\$4) with (amniotic adj fluid)) and marker\$1 and (magnetic adj resonance adj (spectrometer or spectroscopy)) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>13:57 |
| S58 | 2   | "7191068".pn. and weight                                                                                                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>14:12 |
| S59 | 310 | (amniotic adj fluid) with cervi\$3                                                                                                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>14:23 |
| S60 | 1   | (amniotic adj fluid) with cervi\$3 with marker\$1                                                                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>14:23 |
| S61 | 310 | (amniotic adj fluid) with (cervi\$3 with fluid)                                                                                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>14:24 |
| S62 | 0   | (amniotic adj fluid) adj (cervi\$3 with fluid)                                                                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>14:24 |
| S63 | 7   | S61 and (magnetic adj resonance adj (spectrometer or spectroscopy))                                                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>14:24 |
| S64 | 1   | "7191068".pn. and trimester                                                                                                         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>14:27 |
| S65 | 0   | (spectrometer) and (amniotic adj fluid) with (abdominal adj wall)                                                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>15:00 |
| S66 | 15  | (amniotic adj fluid) with (abdominal adj wall)                                                                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/01<br>15:00 |
| S67 | 196 | (magnetic adj resonance adj (spectroscopy or spectrometer)) and (amniotic adj fluid)                                                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>10:47 |

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| S68 | 2   | (magnetic adj resonance adj (spectroscopy or spectrometer)) and (marker\$1 with (amniotic adj fluid))                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>10:47 |
| S69 | 182 | (magnetic adj resonance adj (spectroscopy or spectrometer)) and (marker\$1 and (amniotic adj fluid))                                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>10:47 |
| S70 | 137 | (magnetic adj resonance adj (spectroscopy or spectrometer)) and (marker\$1 and (amniotic adj fluid)) and imag\$3                        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>10:49 |
| S71 | 6   | (magnetic adj resonance adj (spectroscopy or spectrometer)) and (marker\$1 and (amniotic adj fluid)) and imag\$3 and (birth adj weight) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>10:49 |
| S72 | 0   | "6618138".pn. and coupler                                                                                                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>11:33 |
| S73 | 0   | "7515948".pn. and (optical adj coupl\$3)                                                                                                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>12:43 |
| S74 | 1   | "7515948".pn. and ( coupl \$3)                                                                                                          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>12:43 |
| S75 | 0   | "7515948".pn. and ( marker\$1)                                                                                                          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>13:45 |
| S76 | 9   | ("5167231"   "5348002"   "5494032"   "5555885"   "6041248"   "6498942"   "6690958"   "6738653"   "6846288").PN.                         | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2009/05/04<br>14:12 |
| S77 | 2   | S76 and (amniotic adj fluid)                                                                                                            | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2009/05/04<br>14:13 |
| S78 | 2   | S76 and (amniotic adj fluid) and probe                                                                                                  | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2009/05/04<br>14:13 |
| S79 | 2   | S76 and (amniotic adj fluid) and probe and coupl \$3                                                                                    | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2009/05/04<br>14:14 |
| S80 | 15  | (amniotic adj fluid) with (abdominal adj wall)                                                                                          | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2009/05/04<br>14:51 |



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|-----|----|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----|----|------------------|
| S81 | 1  | (amniotic adj fluid) with (abdominal adj wall) with cervi\$3                                                                                               | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/04 14:51 |
| S82 | 0  | (amniotic adj fluid) with flow with fluid with (abdominal adj wall)                                                                                        | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/04 14:56 |
| S83 | 0  | (amniotic adj fluid) with flow with (abdominal adj wall)                                                                                                   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/04 14:56 |
| S84 | 7  | (amniotic adj fluid) with (abdominal adj wall) and cervi\$3                                                                                                | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/04 14:56 |
| S85 | 2  | (amniotic adj fluid) with (abdominal adj wall) and (spectrometer or spectroscopy)                                                                          | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/04 15:01 |
| S86 | 70 | (amniotic adj fluid) with cervi\$3 and (spectrometer or spectroscopy)                                                                                      | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/04 15:05 |
| S87 | 70 | ((amniotic adj fluid) with cervi\$3) and (spectrometer or spectroscopy)                                                                                    | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/04 15:05 |
| S88 | 9  | ((amniotic adj fluid) with flow with cervi\$3) and (spectrometer or spectroscopy)                                                                          | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/04 15:05 |
| S89 | 0  | ((amniotic adj fluid) with cervi\$3) with (spectrometer or spectroscopy)                                                                                   | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/04 15:06 |
| S90 | 26 | ((amniotic adj fluid) with cervi\$3) and (spectrometer or spectroscopy) and pregnan \$2                                                                    | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/04 15:07 |
| S91 | 1  | (fluid with cervi\$3 with (spectrometer or spectroscopy))                                                                                                  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/04 15:08 |
| S92 | 7  | (fluid with cervi\$3) same (spectrometer or spectroscopy)                                                                                                  | US-PGPUB; USPAT; USOCR | OR | ON | 2009/05/04 15:09 |
| S93 | 8  | (US-20040197930-\$ or US-20050266405-\$).did. or (US-7191068-\$ or US-7515948-\$ or US-6618138-\$ or US-7399278-\$ or US-6683455-\$ or US-6690958-\$).did. | US-PGPUB; USPAT        | OR | ON | 2009/05/04 15:11 |

|      |    |                                                                                                                                                                                   |                                                    |    |    |                     |
|------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----|----|---------------------|
| S94  | 5  | S93 and cervi\$3                                                                                                                                                                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>15:11 |
| S95  | 1  | "7191068".pn. and cervi\$3                                                                                                                                                        | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2009/05/04<br>15:35 |
| S96  | 7  | ((600/407-<br>480,323,309,338).ccls. or<br>(324/309).ccls. or<br>(382/128).ccls. or<br>(702/19,20,23).ccls.) and<br>((amniotic adj fluid) with<br>marker\$1)                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>15:49 |
| S97  | 7  | (amniotic and fluid and<br>marker\$1 and<br>(spectrometer or<br>spectroscopy)).clm.                                                                                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>15:50 |
| S98  | 3  | koski-kristine-g.in.                                                                                                                                                              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>15:50 |
| S99  | 63 | burns-david-h.in.                                                                                                                                                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>15:50 |
| S100 | 3  | S99 and (amniotic and<br>fluid and marker\$1 and<br>(spectrometer or<br>spectroscopy))                                                                                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>15:50 |
| S101 | 1  | S98 and (amniotic and<br>fluid and marker\$1 and<br>(spectrometer or<br>spectroscopy))                                                                                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>15:51 |
| S102 | 4  | ((amniotic adj fluid) with<br>measurement\$1) with<br>pregnan\$2 with trimester<br>\$1                                                                                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2009/05/04<br>15:53 |
| S103 | 8  | (US-20040197930-\$ or US-<br>20050266405-\$).did. or<br>(US-7191068-\$ or US-<br>7515948-\$ or US-6618138-<br>\$ or US-7399278-\$ or US-<br>6683455-\$ or US-6690958-<br>\$).did. | US-PGPUB;<br>USPAT                                 | OR | ON | 2010/01/25<br>13:55 |
| S104 | 4  | S103 and spectrometer                                                                                                                                                             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>13:55 |
| S105 | 4  | S103 and spectrometer<br>and (amniotic adj fluid)                                                                                                                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>13:55 |

|      |     |                                                                                |                                                    |    |    |                     |
|------|-----|--------------------------------------------------------------------------------|----------------------------------------------------|----|----|---------------------|
| S106 | 0   | S103 and spectrometer and (amniotic adj fluid) and "in-situ"                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:04 |
| S107 | 71  | spectrometer and (amniotic adj fluid) and "in-situ"                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:04 |
| S108 | 9   | spectrometer and (amniotic adj fluid) and "in-situ" and raman                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:04 |
| S109 | 16  | spectrometer and (amniotic adj fluid) and "in-situ" and cervi\$3               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:07 |
| S110 | 3   | spectrometer and (amniotic adj fluid) and "in-situ" and cervi\$3 and spectr\$2 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:07 |
| S111 | 0   | spectrometer and (amniotic adj fluid) and "in-situ" and (amniotic adj sac)     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:09 |
| S112 | 263 | (amniotic adj fluid) and "in-situ"                                             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:12 |
| S113 | 9   | (amniotic adj fluid) with "in-situ"                                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:12 |
| S114 | 3   | S103 and (magnetic adj resonance)                                              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:28 |
| S115 | 6   | S103 and (magnetic adj resonance ad spectrometer)                              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:28 |
| S116 | 0   | S103 and (magnetic adj resonance adj spectrometer)                             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:37 |
| S117 | 8   | S103 and (amniotic adj fluid)                                                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:48 |
| S118 | 4   | (magnetic adj resonance adj spectrometer) and (amniotic adj fluid)             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:57 |

|      |    |                                                                                                                                                                                                                 |                                                    |    |    |                     |
|------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----|----|---------------------|
| S119 | 0  | (optical adj resonance adj spectrometer) and (amniotic adj fluid)                                                                                                                                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:57 |
| S121 | 20 | (optical adj spectrometer) and (amniotic adj fluid)                                                                                                                                                             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:58 |
| S122 | 1  | (optical adj spectrometer) and (spectr\$2 with (amniotic adj fluid))                                                                                                                                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:58 |
| S123 | 15 | ( spectrometer) and (spectr\$2 with (amniotic adj fluid))                                                                                                                                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>14:58 |
| S124 | 5  | ( raman) and (spectr\$2 with (amniotic adj fluid))                                                                                                                                                              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>15:19 |
| S125 | 11 | ( infrared) and (spectr\$2 with (amniotic adj fluid))                                                                                                                                                           | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/01/25<br>15:20 |
| S126 | 27 | ("20040197930"  <br>"20040024302"  <br>"20050266405"  <br>"5856196"   "5172693"  <br>"5235985"   "6618138"  <br>"6683455"   "6690958"  <br>"6044284"   "7191068"  <br>"7399278"   "7515948"  <br>"7524681").PN. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/09/09<br>15:56 |
| S127 | 0  | S126 and ("in adj situ") and (amniotic adj fluid) and spectrometer                                                                                                                                              | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/09/09<br>15:58 |
| S128 | 7  | S126 and (amniotic adj fluid) and spectrometer                                                                                                                                                                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/09/09<br>15:58 |
| S129 | 0  | S126 and (amniotic adj fluid) and spectrometer and (in adj situ)                                                                                                                                                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/09/09<br>15:58 |
| S130 | 6  | S126 and (amniotic adj fluid) and spectrometer and spectra                                                                                                                                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/09/09<br>15:58 |

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| S131 | 6  | S126 and (amniotic adj fluid) and spectrometer and spectra (amnitic adj sac)                                                                                                                                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/09/09<br>16:06 |
| S132 | 0  | S126 and (amniotic adj fluid) and spectrometer and spectra and (amnitic adj sac)                                                                                                                                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/09/09<br>16:07 |
| S133 | 0  | S126 and (amniotic adj fluid) and spectrometer and spectra and (amniotic adj sac)                                                                                                                                                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2010/09/09<br>16:07 |
| S134 | 29 | ("20040197930"  <br>"20040024302"  <br>"20040267139"  <br>"20050266405"  <br>"5856196"   "5172693"  <br>"5235985"   "6618138"  <br>"6683455"   "6690958"  <br>"6044284"   "7191068"  <br>"7399278"   "7515948"  <br>"7524681").PN. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/06/20<br>11:00 |
| S135 | 23 | S134 and (amniotic adj fluid)                                                                                                                                                                                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/06/20<br>11:02 |
| S136 | 12 | S135 and (spectr\$2)                                                                                                                                                                                                               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/06/20<br>11:02 |
| S137 | 9  | S136 and spectro\$5                                                                                                                                                                                                                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/06/20<br>11:03 |
| S138 | 2  | S135 and (spectr\$2) and cervi\$2                                                                                                                                                                                                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/06/20<br>11:12 |
| S139 | 6  | S135 and (spectr\$2) and cervi\$3                                                                                                                                                                                                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/06/20<br>11:12 |
| S140 | 1  | S135 and (spectr\$2) and cervi\$3 and raman                                                                                                                                                                                        | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/06/20<br>11:25 |
| S141 | 9  | S134 and vagin\$2                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/06/20<br>11:54 |

|      |    |                                  |                                                    |    |    |                     |
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| S142 | 2  | "20060247536"                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/06/20<br>12:35 |
| S143 | 3  | koski-kristine-g.in.             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/06/20<br>12:36 |
| S144 | 70 | burns-david-h.in.                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/06/20<br>12:36 |
| S145 | 3  | S143 and (amniotic adj<br>fluid) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/06/20<br>12:39 |
| S146 | 6  | S144 and (amniotic adj<br>fluid) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2011/06/20<br>12:40 |

**12/ 8/ 2011 6:06:12 PM**

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